

## GHS TALLUR

### ARITHMETIC PROGRESSION

Complete the number puzzle by solving below given problems

a		b		c		d
		e				
f	g			h	q	
			i			
j		k		l		m
		n				
r				p		

**From Top to Bottom:**

- a. 27, 40, 53, 66, ..... 24<sup>th</sup> term of this A.P. is
- b.  $1+3+5+7+\dots$  sum of first 25 odd positive integers is (write from bottom to top)
- c. 7, 24, 41, 58, ..... 28<sup>th</sup> term is
- d.  $1+2+3+4+\dots$  sum of first 35 natural numbers is (write from bottom to top)
- g. 2, 14, 26, 38, ..... 40<sup>th</sup> term of this A.P. is
- q. The sum of first 22 even natural numbers is. (write from bottom to top)
- i. If  $a=3$  and  $T_{20}=60$ . Then, find d is
- j.  $4+7+10+13+\dots$  Sum of the 12 terms of this A.P. is
- k. The sum of first 20 even natural numbers is. (write from bottom to top)
- l. The sum of first 26 even natural numbers is. (write from bottom to top)

m. The sum of first 13 multiples of 7

**From left to right:**

a. 5,10,15,20,..... 61<sup>th</sup> term of this A.P. is

c. 2,14,26,38,.....40<sup>th</sup> term of this A.P, is

e. 5,12,19,26,..... 34<sup>th</sup> term of this A.P. is

f. 6,38,70,102,..... 21<sup>st</sup> term of A.P. is

h. The sum of first 36 natural numbers is

j. If  $a=11$ ,  $d=2$ ,  $n=10$ . Then  $S_{10}$  is

l.  $1+3+5+7+.....$  sum of first 16 odd positive integers is

n.  $2+4+6+.....$  sum of first 14 even natural numbers is

r.  $4+8+12+.....$  sum of first 18 even positive integers is

p.  $1+3+5+7+.....$  374<sup>th</sup> term of this A.P.

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